

**AMENDMENTS TO THE CLAIMS**

1. (Canceled)

2. (Previously presented) A method of assigning radio channels to a set of base stations in a wireless network, comprising:

determining a set of radio channels to include all radio channels which said set of base stations have at their disposal for communication, and  
assigning one radio channel out of said determined set of radio channels to each base station during manufacture of the base stations in such a way that each radio channel in said determined set of radio channels is assigned substantially an equal number of times, said assigning comprising:

determining a given order for the radio channels,  
selecting a first base station and assigning one available radio channel thereto, selecting a second base station and assigning a radio channel having the next order number thereto or, if the radio channel assigned to the first base station has the largest order number out of the determined set of radio channels, assigning a radio channel having the smallest order number thereto, and continuing assigning radio channels according to order numbers in an ascending or descending order until radio channels are assigned to the entire set of base stations.

3. (Previously presented) A method of assigning radio channels to a set of base stations in a wireless network, comprising:

determining a set of radio channels to include all radio channels which said set of base stations have at their disposal for communication, and  
assigning one radio channel out of said determined set of radio channels to each base station during manufacture of the base stations in such a way that each radio channel in said determined set of radio channels is assigned substantially an equal number of times, said assigning comprising:

assigning a randomly selected radio channel out of the determined set of radio channels to a first base station.

4. (Previously presented) A method of assigning radio channels to a set of base stations in a wireless network, comprising:

determining a set of radio channels to include all radio channels which said set of base stations have at their disposal for communication, and

assigning one radio channel out of said determined set of radio channels to each base station during manufacture of the base stations in such a way that each radio channel in said determined set of radio channels is assigned substantially an equal number of times, said assigning comprising:

assigning a radio channel derived on the basis on an individual serial number of the base station out of the determined set of radio channels to each base station.

5. (Previously presented) A method of assigning radio channels to a set of base stations in a wireless network, comprising:

determining a set of radio channels to include all radio channels which said set of base stations have at their disposal for communication, and

assigning one radio channel out of said determined set of radio channels to each base station during manufacture of the base stations in such a way that each radio channel in said determined set of radio channels is assigned substantially an equal number of times, said assigning comprising:

assigning a randomly selected radio channel out of the determined set of radio channels to each base station.